QuickSPOT™ 960 FD - Fly and Drive Self-deploying Satellite Antenna System

960 FD - 96 cm Vehicle Mount/Fly Away Antenna & Baseband Product Specifications

Included Standard:

Auto-deploying antenna
8W Ku-band BUC (also available in 4W and extended-ku)
Antenna controller
Satellite modem
DVB receiver
LAN switch
30 ft. IFL cables
Vehicle mounts/case mount components
Antenna disassembles to travel in (3) Anvil cases
Baseband components integrated in rugged, shock mounted case

Overview

A truly versatile solution, the 960 Fly and Drive antenna functions as either a vehicle mount antenna or a fly away antenna.

The system easily disassembles to travel in three rugged cases and reassembles in minutes to either configuration without tools. This compact system can travel overnight via standard overnight carriers. Vehicle mount bars and locks are included standard.

Powerful, the 96 cm system can carry broadcast quality video or support fully encrypted voice and data traffic for mobile office applications from most locations throughout the USA.

Like all QuickSPOT systems, the Fly and Drive deploys automatically with the touch of a button, locks onto the satellite and logs into the IP based network. Once on network the pre-configured baseband system is ready to launch any IP based application. A 24 port LAN switch makes it easy to connect computers or any other IP compatible device.

The Fly and Drive fits on most any SUV or Van posessing factory luggage racks without vehicle modifications. Permanent or temporary installations are available and the unit can be mounted on rental vehicles or personal vehicles. Power can be supplied with a small generator.

Technical Specifications

Antenna			
Reflector	96 cm Ku-band round		
Optics	Prime focus offset		
Az/El/Pol Drive System	Roto-lok 3 axis positioner		
	Transmit		**Receive**
Frequency	13.75 - 14.5 Ghz		10.70 - 12.75 Ghz
Gain ± .2dBi	41.2 dB@ 11.95 Ghz		39.7 dBi
Polarization	Rotation of feed		
Cross-Pol Isolation	Std. Feed	Opt. Feed	
On-Axis	30 dB	35 dB	35 dB
Off-Axis	28 dB	28 dB	32 dB
Travel	Azimuth	± 200° from stow position	
	Polarization	± 95°	
Satellite Approval	Intelsat's worldwide fleet of Ku-band satellites		
Physical Data			
Approx. Weight	From 100 lbs + w/o BUC & LNB		
Max Length	68.3" w/ IFL cables connected		
Antenna Height	Stowed	19"	
	Deployed	55"	
Pedestal Case	Dimensions	46" L x 25" W x 16" H	
	Weight	139	
Reflector Case	Dimensions	45" L x 44" W x 15.5" H	
	Weight	127 lbs	
Boom/Mount Case	Dimensions	69" L x 24" W x 14.5" H	
	Weight	128 lbs	
Power consumption	Motors active	250 W	
Mount/Case Options	Vehicle mount on Thule racks or mount on transport case		
Controller	One Button Deploy; automatic satellite acquisition; peaking & cross-pol adjustment. One Button Stow		
Controller power	110/220 VAC, single-phase, 50/60 Hz		
Baseband System			
Power requirements	110/220 VAC, single-phase, 50/60 Hz		
Data rate capabilities	64 kbps to 4.5 MB		
Satellite Access Methods	TDMA, SCPC, DVB/RCS		
Transmit Protocol	Automatic		
Std. Baseband Case – 4RU	Weight	Approx. 80 lbs	
	Dimensions	28" x 28" x 16"	

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